HW#61: Ratios & Proportions

Geometry

Due: Tuesday, Jan 5th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

Complete the following problems in your notebook

Set up a proportion for all problems and write out your calculations.

Failure to show all work will result in a LaSalle.

|  |  |
| --- | --- |
| 1. One week has 7 days. There are 5 weekdays in a week. How many weekdays are in 35 days? | 2. A fence has 8 posts every 6 yards. How many posts does it have in 12 yards? |
| 3. One kilometer is equal to 1,000 meters. How many meters are in 6 kilometers? | 4. A fish tank has 12 angelfish. For every 8 fish, 3 of them are angelfish. How many fish are in the tank? |
| 5. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes. Write two ratios and use them to find out whether their envelope stuffing rates are equivalent. | 6. Jonathan found a strange piece of metal. He took it to a science lab and found that the metal is 37.5% gold and 62.5% nickel. What is the ratio of gold to nickel? |
| 7. George made a drawing of a train car. The scale is 3 inches = 50 feet. In the drawing, the train car is 4 inches long. How long is the actual train car? | 8. Kayla and his friends paid $28 for lunch. They want to leave a 15% tip. How much should they leave? |
| 9. Andres bought puppy food for $12.20, a leash for $8.95, and a collar for $6.95. How much change did he receive from $50.00? | 10. Yahaira has 32 pens, 24 of them have caps. What is the ratio of pens with caps to pens with no caps? |

Be Your BEST Self: 2018

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